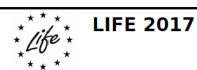


Farming the Future – Building Rural Networks for Climate-Adaptive Agriculture









Farm LIFE

LIFE17 CCA/NL/000093

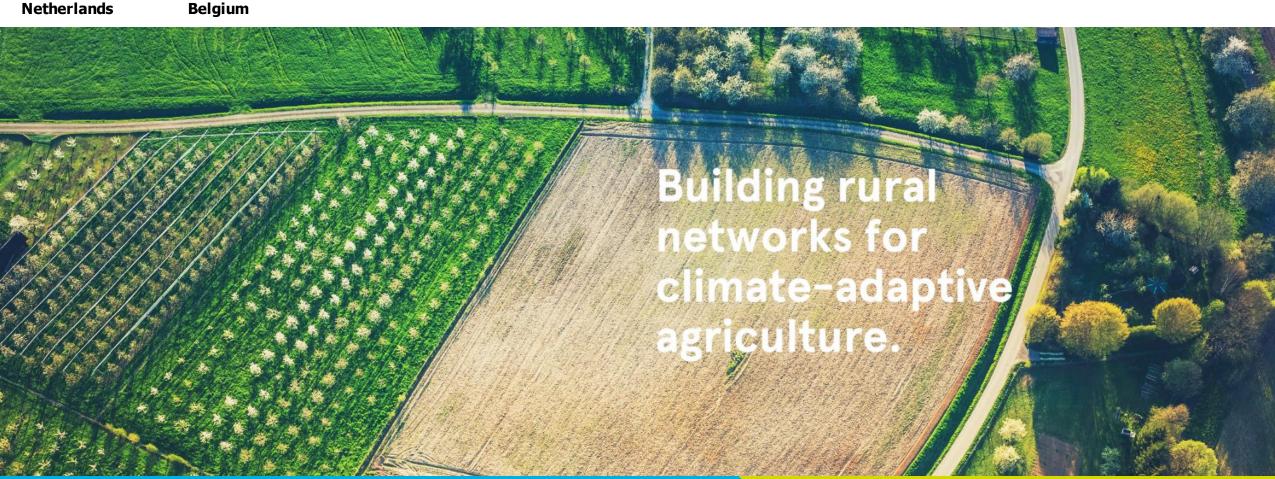








Showcasing Agroforestry as Climate Smart Agriculture



















Agroforestry is "the deliberate integration of woody vegetation (trees and/or shrubs) as an upper storey on land, with pasture (consumed by animals) or an agricultural crop in the lower storey.



Photo: Eurídice Leyequién

Location: Alphen, Noord Brabant, The Netherlands



External origin (attributes of the environment)

Helpful

to achieving the objective

Harmful

to achieving the objective

Strengths

Income Environment Social

Weaknesses

Complexity Knowledge Infrastructure

Opportunities

Eco-intensification Mitigation Adaptation **Biodiversity**

Threats

Lack of Market

Source: PARLIAMENTARY SESSION AFINET (9/12/2019)

Extension serv. Infrastructures **Policies**

Climate adaptive agriculture through diversification, crop, livestock & tree



No increase in N inputs over time & resources' circularity



Increase profitability through crop diversification & lower risk



Decrease in P & K inputs



Yields are stable and resilient against erratic weather variation



Increase soil C sequestration



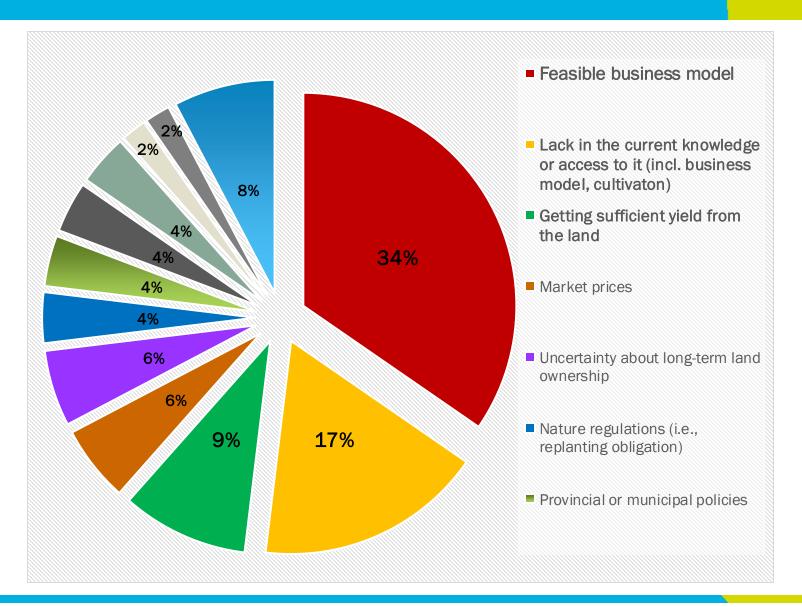


Contribution to environment and/or climate, and economic/social terms

EU Objectives Support viable farm income and resilience across the EU territory (to support food security) I. Profitable & feasible business models through crop diversification and resilience (toolkit for adaptive farm). Increase competitiveness and enhanced market orientation II. Facilitate creation of networks for agricultural transition. Improve farmers' position in the value chain III. Best agricultural practices for Atlantic region (replicated by Contribute to climate change mitigation and adaptation other MSs) Foster sustainable development and efficient management of natural resources IV. Advice on adaptation of regional policy rules and regulations & subsidy priorization to implement agroforestry. Preserve nature and landscapes V. IDEM I.-IV. Future Farmers. Master with specialization on Attract young farmers and facilitate business development agroforestry. Promote employment, growth, social inclusion and local development in rural areas, including bio-economy and VI. IDEM as II.-V. Agroforestry principles align with circular sustainable forestry economy. Address societal expectations on food and health VII. Nutritional value of agroforestry products and LCA



Lessons learned for upscaling and replication



Key 1. Profitable business models

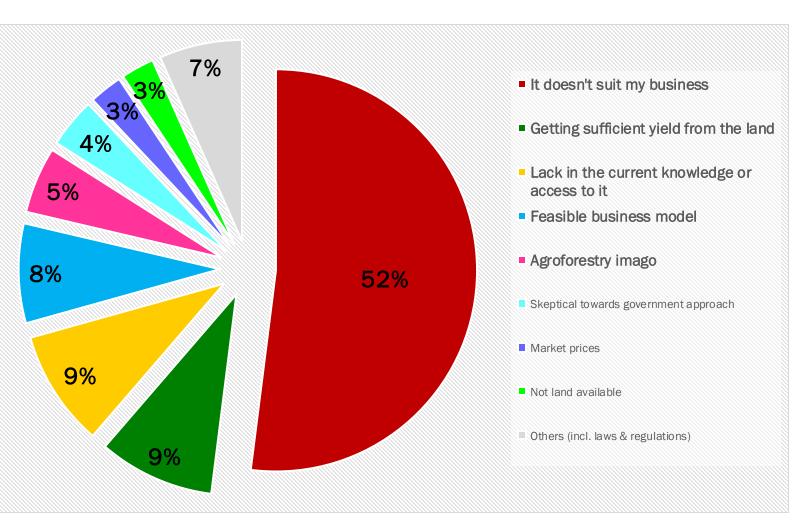
Efforts needed at different levels:

- (a) Farm level = Profit & Loss models
- (b) Provincial/municipal level =
 Adaptation of regional policy (e.g., obligation for replanting)
- (c) National level = Alignment of national policies with EU. NL=> CAP subsidies for agroforestry. Crop code for agroforestry.

Challenge = Agroforestry is perceived as too risky investment, especially in the initial costs. Support by provinces varies greatly.



Lessons learned for upscaling and replication



Key 2. Farmers Networks

Network creation for knowledge sharing, brokering, and advocating:

- (a) Farm level & Provincial/municipal level = Farmer-to-farmer advocacy, to see is to believe. Facilitated by provinces/municipalities (\$)
- (b) National level = Facilitation and subsidies for network forming.

Challenge = Knowledge is still incipient and fragmented in NL. Knowledge is not provided centrally and is not always validated.



Lessons learned for upscaling and replication



Key 3. Governance

- (a) Legal framework. Agricultural land should not become conservation land, exemption of e.g. replanting obligation
- (b) Subsidy program. Economic incentives minimize risks: covering initial investment & first 5-6 yrs. E.g. in BE, 1-time planting subsidy (maximum 80% of costs, excl. VAT), through Programma voor Plattelandsontwikkeling (PDPO III).
- (c) Room for experimentation temporarily exempt from specific regulations, additional funding.
- (d) Subsidies need to be smart to give room for innovation while minimizing risks.



Future CAP interventions to mainstreaming or replicating AGROFORESTRY



AF FULLY ELIGIBLE FOR DIRECT PAYMENTS:

Arable and permanent grassland when

i. 'AF **option**' included in: arable land, permanent grassland and permanent crops.

iii. AF part of Greening and Ecoschemes

ii. Recognition of ecosystem services

iv. Management plan incl. minimum tree density (selected by member states), i.e. initial and final tree density.





Future CAP interventions to mainstreaming or replicating AGROFORESTRY

Pillar II

AF FULLY ELIGIBLE FOR PAYMENTS:

AGRICULTURAL LANDS

- i. AF on agricultural land incl. maintenance payments (as of afforested/reforested lands)
- ii. Improved management and recovery of already existing agroforestry lands.

 Management plans eligible

FOREST LANDS

- i. Establishment & maintenance of forest farming and forest grazing (if not included as Established Local Practices).
- ii. Support management improvement of forest farming and forest grazing of existing agroforestry areas.



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